

CLIMATOLOGICAL DATA FOR DECEMBER, 1913.

DISTRICT NO. 2, SOUTH ATLANTIC AND EAST GULF STATES.

CHARLES F. VON HERRMANN, District Editor.

GENERAL REMARKS.

The last month of the year 1913 was quite without noteworthy meteorological features. It was a comparatively mild winter month, although during the only really cold snap, from the 8th to the 12th, the lowest temperatures for the year were registered at some stations. The precipitation was generally below normal, except in Florida and the Carolinas, nevertheless there was more cloudy, damp weather than usual over the Gulf States from Georgia westward to Mississippi. The percentage of sunshine for the month was less than 40 at all of the regular stations from Atlanta westward to Meridian. The snowfall was light, measurable amounts occurring only in northern Mississippi and western North Carolina. Owing to the passage of a moderate barometric depression from southwest to northeast over the district, December 24 to 25, Christmas was a disagreeable day, with rain in all sections, snow flurries at many places, and high winds on the coast.

The lowest atmospheric pressure for the month occurred throughout the district on the 25th, with a minimum of 29.31 inches at Cape Henry, Va. The highest occurred at all points on the 9th, with the maximum, 30.59 inches, at Meridian, Miss.

TEMPERATURE.

The temperature was above normal in all portions of the district, the excess averaging about 2° , but increasing to over 5° in north-central Virginia and in the northwestern portion of North Carolina. The first week was quite warm, the highest temperatures for the month occurring in the southern portions of the district on the 1st, in the northern portions on the 4th to 7th, with occasional high temperatures as late as the 17th. The maximum exceeded 80° in all of the Gulf States. A decided change to colder weather took place on the 8th, followed during the next five days by the lowest temperatures for the month and at some stations in the southern portion the lowest for the entire year. Heavy to killing frosts occurred on the 9th to 12th as far south as Thomasville, Ga., and Jacksonville, Fla., and minimum temperatures as low as 30° with frosts occurred in the central portion of the Peninsula of Florida, and as low as 23° in the extreme northern portion. A long period with temperature moderately above normal followed, but during the last week it was again below normal, but only moderately so.

The mean temperature for the district was 49° and the excess 1.9° . The highest monthly mean was 71.2° at Key West and Sand Key, Fla., and the lowest was 36.2° at Hot Springs, Va., but as a rule the monthly means ranged mostly between 45° and 55° , except in Florida, where they were somewhat higher. The highest temperature in the district was 85° on the 1st at Valdosta, Ga., and on the 17th and 23d at 10 stations in Florida; the lowest was 12° on the 8th at Lenoir, N. C., and on the 9th at Mineral Bluff, Ga. These extremes are well within the limits of previous years.

PRECIPITATION.

Although the precipitation was generally below normal, except in Florida and the Carolinas where small excesses

occurred, it was generally well distributed, the averages for the several States not departing materially from the mean for the district. The greatest amounts, ranging from 4 to 8 inches, occurred in the southwestern portion of North Carolina, in western South Carolina and northern Georgia, in west-central Florida, and over much smaller areas in some other States. The smallest amounts occurred at the northern and southern extremities of the district, at Hot Springs, Va., and Key West, Fla.

Moderate rains fell on the 1st and 2d, 7th and 8th, 20th to 26th, and 29th to 31st in the northern portions of the district with longer periods of fine weather than in the south, where rains became more frequent after the middle of the month, and there were very few fair days after the 14th. No heavy 24-hour rains occurred in Virginia, Georgia, or Mississippi, and at comparatively few stations in other States, mostly on the 1st, 25th, or 28th-29th, with a maximum of 3.40 inches at Thomasville, Ala., on the latter date.

Snow flurries occurred at many stations in northern Mississippi, northern Alabama, and Georgia on the 24th or 25th, with the largest measurable amount, 4 inches unmelted, at Booneville, Miss., and also in North Carolina on the 31st, with the largest amount, 3 inches, at Brewers.

The average precipitation for the entire district was 3.48 inches and the departure -0.35 inch. The greatest monthly was 8.74 inches at Mount Holly, N. C., and the least, 0.29 inch, at Key West, Fla.

MISCELLANEOUS PHENOMENA.

Westerly winds prevailed during the month in Georgia and the Carolinas, northerly winds in Alabama and Mississippi, and northeasterly winds in Virginia and Florida. At all the coast stations the average hourly velocity exceeded 10 miles. High winds occurred at Norfolk and Cape Henry, Va., on the 8th, at Pensacola on the 24th, and at most other regular stations on the 25th, with maximum velocities of 58 miles from the west on the 8th at Norfolk and 54 miles from the southwest at Savannah on the 25th. The average number of cloudy days was 12, partly cloudy 7, clear days 12, and days with rain 8. The average number of hours of sunshine for the district (mean of 18 stations) was 149, and the percentage of the possible amount was 48. The least sunshine was received at Meridian, Miss., 34 per cent, and the maximum at Miami, Fla., 64 per cent.

Note by Mr. W. F. Reed, jr., Pensacola, Fla.—Marked variations of pressure due to the rapid northeastward movement of a storm from the Rio Grande Valley is shown by the barograph record on the 24th. The pressure fell from 29.97 inches at 10 a. m. to 29.56 inches at 7 p. m., but then it rose to 29.71 inches at 9 p. m. and fell again to 29.56 inches at 10 p. m. The wind reached an extreme velocity of 50 miles at 8.41 p. m. The easterly and southerly winds caused slight damage along the water front. Three lumber-laden lighters owned by C. H. Smith & Sons went ashore near the foot of C Street and a number of other lighters dragged their anchors. A quantity of lumber broke loose in the booms but did no damage.

RIVER CONDITIONS.

The rivers are generally low during the month throughout the district, but in South Carolina moderately heavy rains on the 29th and 30th caused unimportant floods at the close of the month in the Saluda, Wateree, Congaree, and Santee Rivers and high waters in the Broad. The highest stages were at Camden on the Wateree, 27.5 feet on the 31st (flood stage 24 feet); at Chappells on the Saluda, 16.7 feet (flood stage 14 feet). The flood stages at Ferguson and Rimini on the Santee were exceeded by a few tenths of a foot.

CLIMATIC SUMMARY FOR THE YEAR 1913.

The winter months of the year 1913, both at the beginning and end of the year, were quite mild, especially January and February. Excepting in July, however, there was a general tendency to temperatures below normal from April to October, culminating in the greatest deficiencies in September. No temperatures below zero occurred in the district during the year.

The maximum rainfall was received, as in the preceding year, in March and caused destructive floods in the rivers of the district. March was also noteworthy as an extremely stormy month, local tornadoes occurring at numerous places in the Gulf States. During the growing season from April to August, inclusive, the precipitation averaged below normal, with frequent tendencies toward drought, and while the precipitation was above normal in September and October, the year closed dry, seemingly indicating a return to conditions that had prevailed for many years preceding the unusually wet year 1912. Comparatively little snow fell during the year.

July, which was preceded and followed by three relatively cool months, was excessively warm, record high temperatures occurring at a large number of stations. Another striking feature of the year was the large number of severe thunderstorms during the summer and the unusually large number of deaths by lightning.

The following table gives the monthly mean temperatures and the average rainfall for the district with departures from the normal for the year 1913:

Month.	Temper- ature.	Depart- ture.	Precipi- tation.	Depart- ture.
January.....	53.7°	+7.0°	4.19	+0.55
February.....	48.8	+1.7	4.30	-0.33
March.....	57.2°	+1.1	7.24	+2.63
April.....	61.7°	-0.4°	2.45	-0.99
May.....	70.9	-0.2	3.59	-0.49
June.....	76.1	-1.0	4.36	-0.70
July.....	80.7	+1.1	5.38	-0.41
August.....	78.5°	-0.1	4.10	-1.53
September.....	72.4°	-2.0	5.75	+1.05
October.....	62.9°	-1.1	3.23	+0.21
November.....	55.8°	+1.3°	1.71	-0.97
December.....	49.0	+1.9	3.48	-0.35
Year.....	64.0	+0.8	49.75	-0.73

The lowest temperature registered during the year was 3° at Hot Springs., Va., on February 13. The lowest monthly mean temperature was 33.6° in February at Hot Springs, which also had the lowest mean temperature for the year, 53°. The highest temperature for the year was 110° at Talbotton, Ga., on July 19, probably the highest temperature that has ever occurred in the southeastern part of the United States. The highest monthly mean temperature was 84.7° at Clermont, Fla., in July. The highest annual mean was 77° at Key West, Fla.

March and September were the wettest months of the year. The largest amount of precipitation for any month was 23.44 inches at Daphne, Ala., in September; Apalachicola, Fla., received 22.87 inches in the same month. The smallest amounts generally occurred in November, Fort Gaines, Ga., in the lower Chattahoochee Valley, receiving no precipitation whatever, and Rockwell, Fla., only a trace. The maximum rainfall in 24 hours was 7.47 inches at Fort Myers, Fla., on August 24, closely followed by 7.40 inches at Mobile, Ala., on September 13-14. The maximum snowfall was 8 inches at Neuse, N. C., on February 13-14.

TABLE 1.—Climatological data for December, 1913. District No. 2, South Atlantic and East Gulf States.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Virginia.																			
Arvonia.	Buckingham.	350	9	42.3	+ 5.2	71	5	19	19	2.68	—	0.34	0.90	0	7	16	8	7	sw.
Buchanan.	Botetourt.	820	9	42.5	+ 2.0	71	5	17	9	3.23	+ 0.33	0.93	0	8	18	5	8	n.	
Callaville.	Brunswick.	250	19	45.1	+ 1.4	67	7	28	28	3.79	+ 0.54	1.17	0	0	8	14	6	11	ne.
Cape Henry.	Princess Anne.	20	39	45.1	—	68	8	14	8	3.45	- 1.98	0.90	0	0	5	20	8	3	w.
Catawba.	Roanoke.	1,760	2	44.8	—	68	8	52	52	2.90	—	0.90	0	0	5	20	8	3	tarium.
Charlottesville.	Albemarle.	800	24	43.8	+ 6.1	72	6	21	8	3.67	- 1.50	1.10	0	5	14	6	11	w.	
Clarksville.	Mecklenburg.	288	19	42.0	+ 3.9	68	5	18	10	3.65	+ 0.66	1.01	0	7	17	9	5	ne.	
Columbia.	Fluvanna.	246	15	42.0	—	68	5	28	39	2.25	- 1.36	1.05	0	0	4	17	9	5	ne.
Danville.	Pittsylvania.	413	13	44.6	—	68	14	22	9	3.27	- 0.19	0.77	0	7	9	6	14	virginia.	
Diamond Springs.	Princess Anne.	25	3	44.6	—	68	14	37	37	1.90	—	0.76	0	7	9	6	14	Experiment Station.	
Dry Bridge.	Chesterfield.	325	2	—	—	—	—	—	—	2.74	—	0.90	0	0	6	—	—	Dr. E. W. Magruder.	
Hot Springs.	Bath.	2,195	21	36.2	+ 4.2	55	6	15	9	2.46	- 2.72	0.34	T.	0	2	20	7	4	A. M. Tait.
Ivor.	Southampton.	87	4	42.2	—	69	5	19	9	2.26	—	1.02	0	6	—	—	—	Norfolk & Western Ry. Experiment Farm.	
Lamater.	Goochland.	100	3	38.8	+ 3.6	64	47	15	10	2.85	—	1.43	0	4	23	2	6	—	
Lexington.	Rockbridge.	1,060	36	38.8	+ 3.6	64	47	15	10	2.41	- 0.39	0.98	T.	5	15	7	9	—	
Lynchburg.	Campbell.	685	42	43.5	+ 5.2	70	5	23	8	3.4	3.58	0.71	0	6	12	9	10	w.	
Newport News.	Warwick.	55	10	43.8	—	66	13	24	16	3.3	1.72	0.76	0	10	15	6	10	ne.	
Norfolk.	Norfolk.	91	43	45.5	+ 2.5	68	5	27	12	2.68	- 1.81	0.71	0	8	13	3	15	U. S. Weather Bureau.	
Petersburg.	Dinwiddie.	60	26	42.2	+ 4.3	62	5	24	11	3.63	+ 0.60	2.01	0	6	—	—	—	Walter Edward Harris.	
Randolph.	Charlotte.	334	9	42.2	+ 1.2	68	5	23	9	2.17	- 0.83	0.95	0.2	7	14	4	13	ne.	
Richmond.	Henrico.	144	34	42.2	+ 1.2	68	5	23	9	3.59	- 0.18	1.40	0	6	—	—	—	U. S. Weather Bureau.	
Roseanne.	Roanoke.	907	3	41.6	—	68	5	18	8	3.2	2.98	1.06	0	7	20	6	5	w.	
Rocky Mount.	Franklin.	1,150	19	46.5	+ 7.8	69	7	26	19	2.59	3.59	0.18	0	6	—	—	—	Capt. Rees F. Bell.	
Ruckersville.	Greene.	625	2	40.0	—	71	5	17	19	4.93	—	0.82	0	6	—	—	—	G. W. B. Hale.	
Runnymede (near).	Surry.	15	25	43.2	+ 3.1	65	13	19	12	3.98	- 0.21	1.00	0	6	14	2	15	sw.	
Stuart.	Patrick.	1,188	1	40.6	—	69	5	14	10	4.72	—	0.74	T.	8	13	11	7	n.	
West Point.	King William.	15	1	43.3	—	68	5	24	16	3.98	0.73	T.	9	9	17	2	12	s.	
Williamsburg.	James City.	70	22	42.6	+ 1.7	65	5	21	9	3.70	—	0.90	0	6	17	4	10	ne.	
North Carolina.																			
Albemarle.	Stanly.	700	1	44.0	—	72	5	16	10	4.46	—	1.19	0	13	17	6	8	sw.	
Altapass (near).	McDowell.	2,183	—	—	—	—	—	—	—	2.46	—	0.93	2.3	7	—	—	—	M. J. Harris.	
Beaufort.	Carters.	10	12	50.4	+ 2.6	66	27	30	10	2.40	- 2.02	0.93	0	11	19	2	10	n.	
Belhaven.	Beaufort.	4	4	48.7	—	70	7	25	9	3.40	—	0.95	0	8	16	6	9	n.	
Brewers.	Wilkes.	1,950	16	44.2	+ 5.2	76	5	14	10	5.4	2.49	1.90	0.82	3.0	8	13	9	9	w.
Carooleen.	Rutherford.	806	13	44.0	+ 2.8	69	5	17	10	5.56	+ 0.27	1.94	T.	7	8	16	7	nw.	
Chalybeate Springs.	Harnett.	500	7	44.2	—	71	5	16	10	4.47	4.37	1.56	T.	9	15	5	11	ne.	
Chapel Hill.	Orange.	500	55	—	—	68	6	20 ^b	8	3.3	0.08	0.13	1.11	T.	10	—	—	Prof. A. H. Patterson.	
Charlotte.	Mecklenburg.	773	37	44.6	+ 1.8	67	5	23	9	2.6	4.57	+ 0.71	1.39	T.	9	10	10	11	U. S. Weather Bureau.
Chimney Rock.	Rutherford.	1,150	3	45.1	—	70	5	23	9	3.55	—	0.99	0	6	15	4	12	w.	
Durham (near).	Durham.	406	4	45.0	—	65	5	21	12	3.17	—	0.99	0	6	—	—	—	J. M. Flack.	
Eagleton.	Northampton.	66	8	42.8	—	65	5	21	12	3.35	—	0.95	0	7	14	10	7	w.	
Edenton.	Chowan.	30	19	44.8	+ 1.8	65	5	21	12	3.35	- 0.21	1.40	0	4	15	5	11	n.	
Elizabeth City.	Pasquotank.	8	1	46.0	—	65	5	23	9	3.1	0.91	0.83	0	4	20	4	7	sw.	
Elizabethtown.	Bladen.	60	2	—	—	—	—	—	—	3.33	—	1.62	0	4	—	—	—	H. H. Barnhill.	
Elkin.	Surry.	874	—	—	—	—	—	—	—	3.75	—	1.05	0	10	—	—	—	Mrs. Cynthia L. Myers.	
Enfield (near).	Halifax.	99	2	—	—	—	—	—	—	2.84	—	0.73	0	9	—	—	—	T. S. Inboden.	
Fayetteville.	Cumberland.	170	26	46.6	+ 2.9	74	5	22	10	5.07	+ 0.69	1.26	0	10	12	4	15	nw.	
Globe (near).	Caldwell.	1,800	1	45.0	—	67	5	23	23	11	2.32	0.16	0.54	0	7	12	5	13	s.
Goldsboro.	Wayne.	102	43	43.4	- 0.4	68	5	20	10	3.36	- 0.16	0.76	0	12	13	5	13	ne.	
Gorge (near).	Caldwell.	1,358	1	—	—	—	—	—	—	2.36	—	0.84	1.0	8	—	—	—	A. J. Bagley.	
Graham.	Alamance.	656	11	—	—	—	—	—	—	4.42	+ 0.84	1.53	0	12	—	—	—	Dr. W. R. Goley.	
Greensboro.	Guildford.	843	32	43.6	+ 2.7	70	5	22	9	3.64	+ 2.23	1.76	0	13	15	4	12	sw.	
Greenville.	Pitt.	75	20	45.0	+ 0.4	67	23	23	11	2.32	- 0.16	0.68	0	14	12	5	4	nw.	
Hatteras.	Dare.	11	39	49.8	+ 1.0	67	25	33	28	2.94	- 2.17	1.24	0	9	14	7	10	n.	
Henderson.	Vance.	508	20	43.6	+ 2.9	65	5	21	9	3.1	0.04	0.13	T.	7	16	7	8	ne.	
Hickory.	Catawba.	1,165	—	43.6	—	71	5	20	9	3.55	4.48	1.78	0	6	9	15	7	sw.	
Kings Mountain.	Cleveland.	952	1	45.0	—	71	5	21	9	3.3	4.79	1.35	T.	6	11	11	9	sw.	
Kinston.	Lenoir.	46	15	47.0	+ 3.1	70	5	21	10	4.21	+ 1.51	1.86	0	11	17	2	12	nw.	
Lenoir.	Caldwell.	1,186	40	42.4	+ 3.8	72	5	12	8	5.52	+ 0.52	1.47	0.2	9	10	13	8	se.	
Lincolnton.	Lincoln.	994	7	40.8	—	72	5	14	10	4.68	+ 0.65	1.34	T.	0	8	17	5	9	nw.
Louisburg.	Franklin.	375	22	43.2	+ 2.3	64	5	16	10	4.0	3.16	0.24	1.05	0	8	17	7	11	nw.
Lumberton.	Robeson.	102	30	46.7	+ 2.6	72	5	21	10	5.73	+ 2.37	1.72	0	12	13	5	13	ne.	
Manteo.	Dare.	12	8	48.8	—	72	7	23	10	3.6	2.14	0.82	0	6	17	7	11	U. S. Weather Bureau.	
Marion.	McDowell.	1,425	21	43.4	+ 3.0	71	5	20	10	3.86	- 0.25	1.23	T.	11	17	8	6	ne.	
Moncure.	Chatham.	145	19	43.4	+ 1.6	72	5	15 ^b	8	4.48	+ 0.68	0.99	0	12	16	2	13	nw.	
Monroe.	Union.	586	19	45.0	+ 2.4	70	5	18	9	3.7	4.41	0.94	1.08	0	10	13	7	11	sw.
Morganton.	Burke.	1,135	26	43.4	+ 1.9	70	5	15	10	4.80	+ 0.91	1.75	T.	8	17	5	9	ne.	
Mount Holly.	Gaston.	616	16	—	—	—	—	—	—	8.74	+ 4.55	2.96	0	11	12	13	8	10	ne.
Nashville.	Nash.	190	9	44.8	—	68	5	20	10	4.40	—	1.20	T.	12	13	6	12	n.	
Neuse.	Wake.	266	1	—	—	—	—	—	—	4.40	—	1.00	0	0	13	6	12	ne.	
Newbern.	Craven.	12	31	50.0	+ 3.3	77	5	23	10	4.41	2.97	- 0.72	1.20	0	10	12	9	10	ne.
N. Wilkesboro (near).	Wilkes.	1,700	1	—	—														

TABLE 1.—Climatological data for December, 1913. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmailed.	Number of rainy days, 0.10 inch or more.	Number of part. cloudy days.	Number of cloudy days.					
North Carolina—Contd.																						
Southport.	Brunswick.	18	51	50.2	+ 1.0	68	6†	24	9	29	4.25	+ 0.59	1.65	0	8	11	8	12	ne.	Mrs. C. E. Taylor.		
Statesville.	Iredell.	590	44.4	+ 4.2	73	5	17	9	33	5.63	+ 1.48	2.44	0.1	7	12	11	8	sw.	D. Matt Thompson.			
Tarboro.	Edgecombe.	50	28	45.2	+ 2.2	70	6	21	10†	40	3.46	- 0.29	0.80	0	11	15	4	12		E. V. Zoeller.		
Tryon (near).	Polk.	1,300	1								4.10		2.00	T.	6					W. T. Lindley.		
Weldon.	Halifax.	81	41	42.4	+ 1.6	70	5	21	12	46	2.62	- 0.90	0.85	0	8	12	7	12	w.	H. S. Cooper.		
Willard.	Pender.	51	5	47.0		78	6	19	9	41	4.74		1.56	0	7	19	3	9	n.	J. H. Jefferies.		
Wilmington.	New Hanover.	52	42	49.6	+ 2.4	72	6	27	9	30	3.63	+ 0.61	1.26	0	11	11	9	11	w.	U. S. Weather Bureau.		
Winston-Salem.	Forsyth.	1,000	18	40.0	+ 1.1	70†	4	15	9	43	3.77	- 0.21	1.32	0	6					Rev. H. E. Rondthaler.		
South Carolina.																						
Aiken.	Aiken.	527	18	49.3b	+ 1.2	69	5	24	9	34	3.23	- 0.23	1.10	T.	7				sw.	W. M. Brown.		
Aikenland.	Barnwell.	186	24	50.2	+ 2.8	73	1†	21	10	38	2.20	- 0.42	0.70	0	6	10	11	0	w.	S. B. Rouse.		
Anderson.	Anderson.	764	11	47.8d	+ 4.0	70	4	27	35	6.80	+ 2.84	1.96		12						H. H. Russell.		
Batesburg.	Lexington.	656	24	47.2	+ 0.8	68	5	23	10	37	5.98	+ 2.40	1.02	T.						E. J. Hite.		
Beaufort.	Beaufort.	21	26	53.0b	+ 1.2	74	6	28	10	27	2.26	- 0.38	1.50	0	5				Miss Lillian H. Rice.			
Blackville.	Barnwell.	296	23	49.8	+ 2.9	73	5	19	10	48	2.65	- 1.03	0.70	0	11	11	0	20	Mrs. D. B. Sanders.			
Blair.	Fairfield.	293	7										6.67		10				J. N. Owens.			
Bowman.	Orangeburg.	180	11	48.2	+ 1.9	72	6	16	10	48	2.48	- 0.92	1.08	0	7	13	7	11	B. O. Evans.			
Broxton.	Hampton.	2											1.79		8				Thomas D. Williams.			
Calhoun Falls.	Abbeville.	508	19										6.03	+ 2.00	2.25				L. M. Parker.			
Camden.	Kershaw.	222	46	48.6		73	7	20	10	35	4.19	+ 0.88	1.20		13	16	3	12	W. C. Brown.			
Catawba.	York.	562	7										5.96		10				James C. Faris.			
Chappells.	Newberry.	402	7										2.42		11				J. J. Murray.			
Charleston.	Charleston.	48	42	52.0	+ 0.7	72	6	31	9	23	2.59	- 0.56	1.51	0	10	7	9	15	n.	U. S. Weather Bureau.		
Cheraw.	Chesterfield.	144	24	46.1	+ 2.1	72	5	20	10	36	5.39	+ 2.26	1.76	0	14				J. H. Powe.			
Clemson College.	Oconee.	850	21	45.8	+ 3.7	65	4	19	10	37	5.08	+ 0.28	1.40		5				Prof. F. H. H. Calhoun.			
Columbia.	Richland.	351	26	48.2	+ 1.0	70	5	24	10	32	2.03	+ 0.03	1.12	T.	11	9	8	14	U. S. Weather Bureau.			
Conway.	Horry.	25	20	48.2	+ 0.5	72	6	21	10	40	4.13	+ 0.88	0.97	10	14	0	17	Paul Quattlebaum.				
Darlington.	Darlington.	175	17	46.4b		73	7	19	10	40	3.50	+ 0.35	1.20	0	10				D. C. McCall.			
Dillon.	Marion.	100	8	47.2	+ 1.0	72	4	22	10	38	4.10	+ 0.63	1.26	0	11				A. E. Rowell.			
Edgetield.	Edgetield.	127	25										2.63		10				T. L. Timmerman.			
Edisto.	Bamberg.												2.76	- 0.33	0.95				Nathan Jenkins.			
Effingham.	Florence.	106	20										3.89	+ 0.52	1.26				H. B. McCall.			
Ferguson.	Berkeley.	51	4	50.9	+ 2.8	77	27	20	11	37	3.11	+ 0.06	1.13	T.	11	11	3	17	Joseph P. Simons.			
Florence.	Florence.	136	24	48.2	+ 3.4	77	6	23	10	41	3.28	+ 0.19	1.00	8	11				H. K. Gilbert.			
Gaston Shoals.	Cherokee.												4.98		11				Harry A. Parshall.			
Georgetown.	Georgetown.	12	19	50.3	+ 1.3	75	6	22	10	40	4.40	+ 0.71	1.98	0	4	13	12	6	n.	A. P. Hazard.		
Greenville.	Greenville.	989	20	44.9	+ 4.3	67	4	19	10	40	4.64	+ 0.21	1.32		8	14	4	13	w.	Spartan Goodlette.		
Greenwood.	Greenwood.	671	24	45.7	+ 3.3	68	5	21	9	33	5.58	+ 1.16	2.00		8					M. M. Calhoun.		
Heath Springs.	Lancaster.	568	11	44.6		68	6	21	10	33	5.70		1.90	0	7	11	7	13	w.	J. Marvin Bogers.		
Kingstree.	Williamsburg.	54	24	48.6	+ 1.4	74	6	20	10	41	4.31	+ 0.10	1.00		6					A. O. Matthews.		
Liberty.	Pickens.	900	18	48.8	+ 1.3	67	13	18	10	44	5.94	+ 1.10	1.85		7	13	8	10	e.	John T. Boggs.		
Little Mountain.	Newberry.	711	19	47.9	+ 2.1	68	5	24	9	28	4.21	+ 0.83	1.00		9	13	0	18	ne.	J. M. Sease, M. D.		
Mervether.	Edgefield.	31	48.0			70	5	19	10	44	3.44		0.59	T.	10	6	1	24		William S. Middleton.		
Monetta.	Saluda.	1	48.6			69	5	23	9	31	3.46		0.63	T.	12	11	3	17	w.	Joseph M. Johnson.		
Newberry.	Newberry.	502	8	46.2	+ 1.4	69	6	20	10	39	5.67	+ 3.04	1.67	T.	9	8	0	13	e.	W. G. Peterson.		
Pelzer.	Anderson.	873	7										5.88		12				Joshua Y. Jones.			
Pinopolis.	Berkeley.	54	19										4.10	+ 1.23	1.70	0	7	12	nw.	Miss E. P. Ravenel.		
St. Matthews.	Orangeburg.	269	24	48.3	+ 2.7	74	5	23	9	40	3.09	- 0.25	0.95		12					Mrs. F. V. J. Maxwell.		
Sands.	Saints.	586	10	47.4		68	5	19	10	41	4.62		0.95	T.	10	9	7	13	w.	W. G. Walker.		
Santuck.	Union.	512	17	45.8	+ 2.8	68	5	20	10	35	5.98	+ 1.96	1.25	T.	10	9	7	13		Rev. T. Ellison Simpson.		
Smith Mills.	Georgetown.	62	17										3.45	- 0.47	1.10						E. P. Robinson.	
Society Hill.	Darlington.	192	15	45.4	+ 0.1	71	5	20	9	37	5.08	+ 1.93	1.35	T.	10	9	12	10	nw.	Miss E. H. Gadsden.		
Spartanburg.	Spartanburg.	875	21	44.2	+ 2.0	71	5	19	9	40	5.65	+ 1.50	1.43		8	9	5	19	sw.	C. A. Long.		
Summerville.	Dorchester.	75	15	50.8	+ 2.6	77	6	20	10	35	2.69	- 0.97	1.50	0	8	9	9	12	e.	J. W. Seigler.		
Trenton.	Edgefield.	620	15	48.5	+ 1.6	70	6	24	9	31	2.99	- 0.05	0.75		9					W. P. Goodman.		
Wimberboro.	Fairfield.	545	22	44.7	+ 2.0	65	5	28	9	30	4.77	+ 2.66	2.00	0	9	6	9	12	w.	J. G. Hutson.		
Winthrop College.	York.	690	13	45.0	+ 1.3	67	5	20	9	30	4.82	+ 0.27	1.20	0	7	9	6	10				
Yemassee.	Hampton.	24	17	49.4	+ 1.8	76	23	18	10	42	2.86	- 0.71	1.65	0	7							
Georgia.																						
Abbeville.	Wilcox.	180	10										2.68	- 1.45	0.98	0	11	8	1	22	n.	W. H. Calhoun.
Adairsville.	Bartow.	772	21	46.0	+ 4.4	65	1	19	10	38	3.55	- 1.25	1.32	0	6	15	2	14		Mrs. R. C. Evans.		
Albany.	Dougherty.	232	26	52.8	+ 1.7	82	1	26	10	34	5.29	- 1.18	0.93	0	9	8	6	17	n.	George C. Brosnan.		
Alapaha.	Berrien.	293	23	52.1	+ 1.4	80	1	20	10	35	3.98	- 1.68	0.76	0	10	6	7	18	e.	J. F. Rice.		
Americus.	Sumter.	362	28	50.0	+ 0.5	75	1	25	10	33					9	7	5	15	w.	Joseph M. Bryan.		
Athens.	Clarke.	694	31	45.8	+ 2.3	67	5	19	9	40	4.53	+ 0.41	0.98	0	10	10	6	15		C. D. Cox.		
Atlanta.	Fulton.	1,218	48	49.9	+ 2.0	65	17	23	9	32	3.95	- 0.63	1.35	T.	13	12	6	20	nw.	U. S. Weather Bureau.		
Augusta.	Richmond.	180	57	48.9	+ 1.5	69	5	25	10	35	2.36	- 1.17	1.02	0	12	5	6	20		Do.		
Bainbridge.	Clayton.	119	21	53.2	+ 3.1	83	1	21	10	40	2.77	- 1.37	1.15	0	7	11	2	18	ne.	W. H. Morrow.		
Butler.	Taylor.	650	12										2.22	- 2.09	0.77	0	6	13	3	15	w.	Mrs. M. F. Wallace.
Camak.	Warren.	613	21	48.8	+ 3.8	70	5	23	9	37	3.02	- 1.01	0.72	0	10	8	4	19	w.	J. A. Chapman.		
Canton.	Cherokee.	894	22										3.77	- 1.18	1.02	0	8	7				

TABLE 1.—Climatological data for December, 1913. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelting.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Georgia—Continued.																			
Hawkinsville.	Pulaski.	235	17	48.4 ^b	+1.4	68	5	21	9	40	1.18	-2.44	0.60	0	8	3	20	R. H. Wood.	
Highland Dam.	Muscogee.			46.6		68	5	17	10	44	3.48	1.00	0.62	0	9	5	17	F. C. Tibbs.	
Lisbon.	Lincoln.	326	6	46.6		68	5	17	10	44	3.48	1.00	0.62	0	9	5	17	B. J. Du Bois.	
Lost Mountain.	Cobb.	1,175	13	44.9	+2.4	83	17	21	9	28	3.74	-1.68	0.75	0	9	5	17	A. N. Mayes.	
Louisville.	Jefferson.	259	20	48.8	+1.3	65	22	22	10	30	2.03	-1.04	0.50	0	6	15	12	J. C. Little.	
Lumber City.	Telfair.	150	4								1.55		0.50	0	6	5	18	Walter A. Hilton.	
Lumpkin.	Stewart.	650	18	50.7	+1.9	72	1	26	9	26	1.88	-2.70	0.50	0	7	12	9	R. T. Humber.	
Macon.	Bibb.	370	32	48.4	+1.9	68	5	22	10	34	2.08	-2.24	0.61	0	12	7	6	18	U. S. Weather Bureau.
Marshallville.	Macon.	500	20	50.5	+2.5	70	1	20	10	37	2.28	-2.02	0.78	0	5	13	7	E. C. Bryan.	
Milledgeville.	Baldwin.	276	25	47.6	+1.5	68	5	21	10	33	2.63	-1.39	0.48	0	12	12	4	Prof. O. M. Cone.	
Miller.	Jenkins.	158	25								1.65	-1.59	0.50	0	6	10	6	M. G. McComb.	
Mineral Bluff.	Fannin.	1,571	8	45.4		70	1	12	9	40	3.04		1.82	0	6	15	10	W. T. S. Dickey.	
Montezuma.	Macon.	292	8	47.4	+0.4	67	5	22	9	33	4.12	+0.39	1.58	0	9	1	21	J. C. Collins.	
Monticello.	Jasper.	800	18	47.4		67	5	22	9	30	4.14	-0.67	1.30	0	9	11	3	Miss Maudie Penn.	
Newman.	Coweta.	959	24	46.2	+3.6	67	5	22	9	30	4.66		0.82	0	13	17	11	Mrs. Ida J. Miller.	
Norcross.	Gwinnett.	1,078	3								4.02		0	12	11	1	19	W. O. Medlock.	
Oella.	Irwin.																J. J. Flanders.		
Point Peter.	Oglethorpe.	600	23	46.2	+2.6	64	5	20	9	34	5.40	+1.37	2.12	0	6	9	11	C. M. Witcher.	
Poulan.	Worth.	365	23	54.8	+4.9	84	1	23	10	43	2.26	-1.26	0.66	0	9	7	16	C. T. Merritt.	
Putnam.	Marion.			48.4 ^a	+0.9	68	5	19	10	37							Miss Mildred Collum.		
Quitman.	Brooks.	173	27	55.4	+3.2	84	1	26	10	35	3.08	-1.41	0.84	0	5	11	1	A. B. Jones.	
Ramhurst.	Murray.	900	20	44.6	+0.9	69	1	16	9	40	4.22	-0.52	1.05	T	10	11	6	D. E. Humphreys.	
Resaca.	Gordon.	657	19								4.14	-0.79	1.50	0	6	14	17	D. A. Norton.	
Rome.	Floyd.	576	54	43.8	+1.6	64	1	22	10	35	4.70	+0.13	1.92	0	11	14	3	W. M. Towers.	
St. George.	Charlton.	50	6	54.7		92	1	26	9	42	4.82		1.60	0	7	7	9	A. N. Lund.	
Savannah.	Chatham.	65	62	53.4	+2.0	74	6	30	9	25	3.27	-0.68	1.30	0	10	7	6	U. S. Weather Bureau.	
Statesboro.	Bulloch.	253	13	52.4	+3.4	77	5	21	10	38	1.44	-2.00	0.50	0	7	11	12	W. C. Cromley.	
Talbotton.	Talbot.	750	19	50.7	+4.1	71	16	24	9	41	2.84	-1.70	0.67	T	11	12	0	Dr. E. L. Bardwell.	
Tallapoosa.	Haralson.	1,150	14	43.6	+1.1	65	5	20	10	34	4.21	+0.31	1.45	T	12	4	9	C. C. Sigman.	
Thomastonville.	Thomas.	273	31	54.0	+1.8	83	1	20	10	34	2.51	-1.59	1.30	0	10	8	16	U. S. Weather Bureau.	
Toccoa.	Stephens.	1,050	27	45.6	+3.2	71	5	20	9	40	5.26	+0.35	1.30	0	11	13	3	Miss Marian L. Craig.	
Valdosta.	Lowndes.	220	8	55.1		85	1	24	9	37	2.55		1.30	0	5	22	0	Miss Annie Twitty.	
Washington.	Wilkes.	630	22	48.7	+2.6	68	18	21	9	33	4.79	+0.93	1.53	0	12	14	4	Miss Ella B. Smith.	
Waycross.	Ware.	131	24	54.2	+3.4	82	1	24	10	35	2.25	-0.37	1.16	0	11	13	1	Dr. J. F. Wilson.	
Waynesboro.	Burke.	86	21	49.7	+2.6	70	5	24	9	38	1.73	-1.45	0.79	0	7	11	3	Mrs. H. W. Blount.	
West Point.	Troup.	620	23	46.4	+1.2	68	17	21	10	39	3.23	-2.00	0.80	0	10	13	1	E. N. Dunn.	
Woodbury.	Meriwether.	641	12								4.02	-0.27	1.02	0	8	12	4	E. T. Riggins.	
Florida.																			
Apalachicola.	Franklin.	24	9	57.4		80	1	32	9	28	5.15		2.44	0	8	9	9	A. F. Whiteside.	
Aracadia.	De Soto.	61	12	64.8	+2.7	83	1	39	12	33	2.62	+0.40	1.04	0	11	13	6	C. S. Bushnell.	
Archer.	Alachua.	92	28	59.2 ^a	+2.1	81	1	30	10	35	7.04	+3.89	2.90	0	8	9	13	R. B. Hodgson.	
Avon Park.	De Soto.	150	14	64.4	+2.2	83	1	42	27	25	2.76	+0.66	1.05	0	7	9	9	William King.	
Bartow.	Polk.	115	25	62.4	+1.2	83	1	33	12	40	3.61	+1.32	1.34	0	8	11	6	William Hood.	
Bassenger.	Osceola.			64.2		84	1	36	12	39	2.75		1.25	0	5	8	8	L. N. Kline.	
Bradenton.	Manatee.	22	29	63.1	+1.7	85	1	36	12	39	5.72	+3.40	2.06	0	7	12	11	F. H. Braymer, M. D.	
Brooksville (1).	Hernando.	126	20	62.4	+3.6	84	1	34	9	41	4.33	+2.09	1.07	0	7	16	2	C. C. Peck.	
Brooksville (2).	do.		2	59.9		84	1	29	11	46	5.68		1.75	0	13	14	2	William Gommie.	
Carabelle.	Franklin.	10	14	56.1	+2.1	76	1	26	9	37	5.20	-0.17	2.14	0	6	14	1	J. J. Blomquist.	
Cedar Keys.	Levy.	10	24	60.2	+2.0	75	17	34	9	26	5.35	+2.97	3.00	0	6	18	0	S. T. White.	
Clermont Lake.	Putnam.	105	19	63.6	+2.8	84	1	40	11	33	2.37	-0.01	1.00	0	6	10	18	S. S. Fesler.	
Crescent City.	Walton.	193	14	53.2	+1.4	79	1	29	9	34	2.48	-2.82	0.97	0	8	9	13	Walter Cliff.	
De Funiak Springs.	Volusia.	27	14	53.2	+1.4	85	1	27	11	41	2.24		0.87	0	6	25	2	W. O. H. Shepard.	
De Land.	Lake.	56	22	61.3	+1.8	84	22	35	9	41	2.08	+0.63	1.11	0	9	12	8	Rev. W. J. Harkness.	
Eustis.	Federal Point.	10	21	60.2	+3.5	85	1	33	9	34	5.50	+0.92	1.60	0	9	12	9	C. T. Smith.	
Falsmire.	St. Lucie.	1	64.0			84	7	39	27	32	2.31		0.67	0	8	9	9	E. S. Hubbard.	
Fernandina.	Nassau.	10	20	57.6	+2.2	82	23	32	9	26	5.01	-1.28	0.60	0	7	16	10	W. A. James.	
Fort Lauderdale.	Dade.	10	1	67.8 ^a		85	1	36	23	46	2.61		0.50	0	6	16	13	T. C. Borden.	
Fort Meade.	Polk.	125	23	61.7	+2.3	83	1	33	12	44	3.07	+0.78	1.04	0	5	18	7	W. M. Heine.	
Fort Myers.	Lee.	12	40	66.0	+1.9	82	1	42	12	30	4.27	+0.75	0.74	0	8	12	1	G. L. Brodrick.	
Fort Pierce.	St. Lucie.	10	12	65.6	+2.4	85	7	42	9	30	5.70	-0.60	0.50	0	5	16	10	W. F. Gwynne.	
Gainesville.	Alachua.	176	17	58.8	+2.9	83	1	30	9	38	5.70	+4.12	2.32	0	12	13	3	T. C. Nicholson.	
Garniers (near).	Walton.	22	1	55.0 ^a		79	1	30	27	33	3.11		1.69	0	6	13	3	John Schnabel.	
Grassmere.	Orange.	175	15	60.8	+1.5	85	1	33	11	37	3.03		0.61	0	5	21	6	U. S. Forest Service.	
Griffin.	Dade.												0.43	0	5	17	3	J. B. Escott.	
Hilliard.	Nassau.	69	4	56.4		81	1	27	9	37	3.71		1.40	0	6	12	12	T. M. Griffin.	
Homestead.	Dade.	12	13	68.8		85	23	48	12	30	2.60		0.52	0	2	23	6	B. A. Tibbets.	
Hypoluxo.	Palm Beach.	9	17	68.4	+1.5	84	7	45	12	30	1.11	-1.03	0.31	0	7	22	6	J. A. Kahl.	
Inverness.	Duval.	43	13	58.4	+2.4	79	1	31	12	34	4.78	+2.45	1.95	0	8	22	9	G. A. Argevine.	
Jacksonville.	Jackson.	108	43	68.2	+3.0	79	1	32	9	26	4.49	+1.50	2.48	0	10	10	12	W. H. Miller.	
Jasper.	Hamilton.	152	12	65.6	+4.6	83	1	23	10	40	3.41	-0.42	1.70	0	5	18	7	U. S. Weather Bureau.	
Johnstown.	Bradford.	125	13			84	1	27	9	36	5.86	+2.81	2.51	0	8	4	19	Mrs. W. C. Caldwell.	
Key West.	Monroe.	14	42	71.2	+1.1	82	7	53	27	16	3.75	-1.55	0.13	0	7	9	18	A. M	

TABLE 1.—Climatological data for December, 1913. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevaling wind direction.	Observers.					
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.					
Florida—Continued.																							
Pinellas Park.	Pinellas.	20	2	62.4		63	1	36	9	34	5.55	+ 1.77	2.27	0	8	9	15	nw.	Miss E. Borgman.				
Plant City.	Hillsboro.	121	19	61.6	+ 1.4	60	23	35	9	30	3.95	+ 1.77	1.78	0	8	14	17	n.	E. B. Trask.				
Rita.	Palm Beach.			65.4°		84°	7	51°	67	22	1.85		0.72		0	0	0	nw.	R. G. Hedley.				
Rockwell.	Marion.	10	11	59.0	+ 0.5	80	1	32	11	23	4.99	+ 2.81	1.71	0	0	0	0	se.	Dunellon Phos. Co.				
St. Augustine.	St. Johns.	10	61	59.6	+ 2.2	79	1	32	11	23	3.13	+ 0.58	1.37	0	0	6	28	2	1.	E. F. Joyce.			
St. Cloud.	Osceola.			63.4		84	1	36	11	40	2.54		0.75		0	0	0	ne.	J. T. Bearss.				
St. Leo.	Pasco.	140	18	62.2	+ 3.0	82	1	38	9	30	3.91	+ 1.28	1.63	0	0	15	7	9	e.	Gerald Schneider.			
Sand Key.	Monroe.	1		71.2		77	7	62	27	10	1.58		1.21	0	0	0	0	ne.	U. S. Weather Bureau.				
Sanford.	Seminole.	25	5	61.2		82	23	38	11	31	2.59		1.00	0	0	9	10	10	nw.	H. C. DuBose.			
Satsuma Heights.	Putnam.	98	5	58.0		79	1	30	9	33	4.41		2.37	0	0	8	12	10	ne.	Satsuma Co.			
Switzerland.	St. Johns.	10	20	59.9	+ 3.9	85	1	24	11	36	4.05	+ 1.24		0	0	8	9	7	n.	Mrs. W. C. Steele.			
Tallahassee.	Leon.	192	26	55.8	+ 3.2	83	1	30	9	30	3.60	- 1.04	1.10	0	0	9	11	11	ne.	W. H. Markham.			
Tampa.	Hillsboro.	79	23	62.4	+ 2.9	82	1	38	9	26	4.20	+ 2.18	1.60	0	0	9	14	6	e.	U. S. Weather Bureau.			
Tarpon Springs.	Pinellas.	20	28	60.3	+ 0.7	84	1	34	9	37	3.43	+ 2.21	1.40	0	0	9	12	2	nw.	A. P. Albaugh, M. D.			
Titusville.	Brevard.	16	17	62.8	+ 1.6	82	23	38	11	28	3.42	+ 0.79	1.10	0	0	12	10	9	ne.	F. M. Taylor.			
Zona.	Dade.			66.7		84	67	38	27	38	0.98		0.43	0	0	8	13	16	ne.	C. M. Rubison.			
Alabama.																							
Alaga.	Houston.	105	8	45.8	+ 1.6	66	17	23	10	31	3.12	- 1.42	0.75	0	6	13	6	11	14	se.	James L. Willis.		
Anniston.	Calhoun.	728	22	45.8	+ 1.6	66	17	23	10	31	3.12	- 1.42	0.75	T.	13	6	11	14	n.	U. S. Weather Bureau.			
Ashville.	St. Clair.	685	20	43.6	+ 0.7	63	1	21	10	35	4.80	- 0.17	1.78	0	8	11	7	13	nw.	A. L. Cather.			
Auburn.	Lee.	732	31	49.4	+ 2.8	68	17	26	9	30	3.83	- 1.27	1.07	0	0	12	8	4	19	nw.	Dr. Jas. T. Anderson.		
Bay Minette.	Baldwin.	268																	nw.	J. M. Franklin.			
Benton.	Lowndes.	149	12	50.2	+ 0.9	78	1	26	10	36	2.66	- 2.03	1.02	0	0	8	7	11	13	n.	S. T. Pruitt.		
Bermuda.	Conecuh.			701	25	47.2	- 0.1	68	1	23	9	28	2.99	- 1.61	0.81	T.	10	7	9	15	n.	M. J. Morris.	
Birmingham.	Jefferson.			500	12	54.6													n.	U. S. Weather Bureau.			
Calera.	Shelby.			738	12	47.4		72	16	22	97	39	2.26	- 2.35	1.32	0	0	8	5	9	17	n.	L. G. Privett.
Camp Hill.	Tallapoosa.			331	25	53.1	+ 0.9	80	1	29	97	37	2.46	- 2.30	1.22	0	0	10	9	5	17	n.	Dr. Lyman Ward.
Citronelle.	Mobile.	590	20	47.5	+ 1.7	75	1	25	10	37	3.39	- 1.04	1.06	0.3	0	11	7	1	17	n.	Rev. W. H. Rowe.		
Clanton.	Chilton.	100	3	48.0	+ 4.8	74	1	19	10	38	2.71	- 2.14	1.00	0	0	5	12	6	13	sw.	Joseph B. Downs.		
Cochrane.	Pickens.	234	22	48.0	+ 4.8	74	1	19	10	38	2.71	- 2.14	1.00	0	0	5	12	6	13	n.	T. H. G. Cooke.		
Cordova.	Walker.	802	5	44.6		67	16	20	9	36	3.83		1.30	0	0	8	11	10	10	n.	Scott Maxwell.		
Cullman.	Cullman.	760	8	54.6		68	1	27	9	37	3.57		1.09	0	0	8	13	5	13	n.	Eugene A. Grayott.		
Dadeville.	Tallapoosa.	22		54.6	+ 1.9	81	1	27	9	32	1.60	- 3.46	0.65	0	0	4	13	5	13	n.	W. B. Fulton.		
Daphne.	Baldwin.			21															n.	John H. Young.			
Demopolis.	Marengo.			200	29	47.0	- 0.6	72	1	19	10	36	1.51	- 3.11	0.42	0	0	10	8	5	17	n.	George E. Pegram.
Enfield.	Barbour.			285	29	52.3	+ 3.0	84	1	25	10	35	1.89	- 1.94	0.74	0	0	5	16	3	12	n.	Dr. J. B. Whiflock.
Evergreen.	Conecuh.	91	21	53.8	+ 2.7	73	47	26	9	43	3.00	- 1.80	1.52	0	0	4	16	3	12	s.	George W. Salter.		
Flomaton.	Escambia.			520	29	53.8		73	1	25	9	37	3.03	- 1.44	0.95	0	0	8	8	5	15	n.	J. B. Semmes.
Fort Deposit.	Lowndes.	621	29	46.4	+ 2.4	68	1	25	9	34	5.14	+ 0.14	1.08	0	0	9	10	6	15	n.	J. F. Hattemer.		
Gadson.	Etowah.			826	18	42.7	- 1.5	60	1	21	10	26	4.45	+ 2.26	1.23	T.	11	7	15	2	14	n.	D. I. Goodhue.
Goodwater.	Coeva.			220	34	48.6	+ 0.2	72	1	27	9	27	3.59	- 1.24	1.15	0	0	7	7	5	15	n.	Miss Daisy Buice.
Greensboro.	Hale.	444	12	48.6		72	1	25	9	31	3.84	- 1.24	1.15	0	0	4	10	6	15	n.	W. E. W. Yerby.		
Greenville.	Marion.			17		46.2	+ 2.5	74	1	15	9	45	5.14	+ 0.23	1.37	T.	7	7	10	15	n.	E. M. Lewis.	
Hamilton.	Washington.	302	1	51.4	+ 2.4	78	1	27	9	38	4.23	- 2.21	1.37	0	0	7	7	10	15	n.	Prof. H. O. Sargent.		
Healing Springs.	Crenshaw.	21		51.4	+ 2.4	78	1	27	9	38	4.23	- 2.21	1.37	0	0	10	10	6	15	n.	Prof. Samuel Jordan.		
Highland Home.	Sumter.			160	29	48.8	+ 0.6	73	6	23	11	36	3.84	- 1.58	1.00	0	0	4	10	6	15	n.	Robert L. King.
Livingston.	Talladega.	510	16	47.1	+ 3.9	69	1	22	10	33	3.55	- 1.15	0.90	0	0	8	5	19	7	ne.	U. S. Engineers.		
Lock No. 4.	Cherokee.			20		44.3	+ 2.3	68	1	21	9	33	4.44	- 1.68	0.90	0	0	8	5	19	7	n.	Mrs. A. L. Awbrey.
Maple Grove.	De Kalb.	1,595	6	42.3	+ 2.3	68	1	21	9	37	5.65	- 1.24	1.12	T.	7	7	10	15	n.	E. Mason.			
Mentone.	De Kalb.			10																n.	W. U. Wall.		
Milstead.	Macon.			84	41	53.8	+ 2.3	78	1	32	9	26	2.55	- 2.02	0.92	0	0	8	5	12	14	nw.	U. S. Weather Bureau.
Mobile.	Mobile.			240	41	50.2	+ 1.1	75	1	28	9	31	3.17	- 1.33	1.39	0	0	13	6	12	13	n.	Do.
Montgomery.	Montgomery.			21		49.0	+ 2.0	76	1	23	9	36	3.94	- 1.43	1.16	0	0	9	7	9	15	n.	Dr. J. Huggins.
Newbern.	Blount.			857	19	47.2	+ 5.0	70	1	20	10	38	4.88	- 0.64	1.22	T.	11	9	4	18	n.	Aquilla J. Ketchum.	
Oneonta.	Lee.	917	34	47.4	+ 1.0	68	1	24	9	23	3.38	- 1.54	0.82	0	0	9	10	3	18	n.	A. H. Read, Jr.		
Opelika.	Dale.	400	11	48.9		73	1	28	9	37	2.05		0.60	0	0	3	10	10	11	n.	James A. Scott.		
Ozark.	Prattville.	281	13	48.8		75	1	24	10	35	3.72		0.82	0	0	7	10	5	18	nw.	Joseph B. Bell.		
Pushmataha.	Choctaw.	22		48.6	- 1.8	73	5	25	9	35	5.76	+ 1.01	2.01	0	0	7	10	5	18	n.	W. N. Horn.		
Robertsdale.	Elmore.	148	1	48.6		73	1	26	9	36	1.45		0.56	0	0	8	8	5	15	n.	Carl Boseck.		
Salma.	Dallas.	147	33	48.8	+ 2.2	77	1	25	9	36	3.18	- 1.38	1.26	0	0	9	14	6	11	n.	Charles F. Brailin.		
Spring Hill.	Mobile.	312	9	52.5		78	1	29	9	28	2.58		1.01	0	0	5	14	6	11	n.	Spring Hill College.		
Talladega.	Talladega.	584	23	47.6	+ 2.6	68	1	21	10	31	2.78	- 1.52	2.00	T.	15	8	8	8	n.	W. E. Henkel.			
Tallasee.	Elmore.			22																n.	P. A. Noble.		
Thomasville.	Clarke.			328	22	45.6	+ 0.4	73	1	26	9	29	4.51	+ 0.98	0.40	0	0	8	3	18	10	n.	Miss H. T. Forster.
Troy.	Pike.	581	5	51.6		81	1	26	9	30	1.60	</td											

TABLE 1.—Climatological data for December, 1913. District No. 2—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
Mississippi—Contd.																					
Laurel.	Jones.	241	9	50.0	—	76	1	26	9	38	4.16	—	0.90	T.	9	7	7	17	ne.	Thomas W. Flynt.	
Leakeville.	Greene.	19	50.2	—	0.4	81	1	25	9†	41	2.97	—	2.45	1.71	0	5	5	—	—	Dr. Sam Pool.	
Louisville.	Winston.	561	24	48.4	+	0.8	75	1	25	9	37	3.52	—	1.18	1.13	T.	5	—	—	B. T. Webster.	
McNeill.	Pearl River.	230	10	53.8	+	1.0	78	2	30	9†	30	2.52	—	2.59	1.08	—	—	—	Prof. E. B. Ferris.		
Macon.	Noxubee.	185	25	45.9	—	0.4	73	1	24	9	40	3.26	—	1.19	0.88	T.	9	10	1	Finis E. Carlton.	
Magnolia.	Pike.	415	17	51.0	+	0.5	77	2	28	9	29	3.98	—	1.64	1.17	0	10	11	5	Miss Ruby V. Roberts.	
Meridian.	Lauderdale.	375	23	47.7	+	0.8	73	1	27	9	31	3.80	—	1.41	1.31	T.	8	4	6	U. S. Weather Bureau.	
Merrill.	George.	76	8	—	—	—	—	—	—	—	2.67	—	1.75	0	4	9	1	21	n.	James E. Walters.	
Monticello.	Lawrence.	209	6	50.8	—	75	1†	25	9	37	4.85	—	1.33	0	11	10	8	13	nw.	Dr. G. A. Teunissen.	
Okolona.	Chickasaw.	311	25	45.4	+	1.6	73	2	23	10	35	3.30	—	1.01	0.90	0	7	12	1	n.	E. J. Henson.
Pascagoula.	Jackson.	15	4	54.2	—	—	76	1	30	9	32	1.53	—	1.03	0	3	—	—	McVea Young.		
Pearlington.	Hancock.	10	25	54.0	+	1.3	75	1	28	9†	30	1.98	—	2.47	1.00	0	7	—	—	Miss Annette Koch.	
Porterville.	Kemper.	—	8	48.0	—	—	74	1	23	9	39	3.64	—	0.98	0	8	8	5	nw.	I. S. Rea.	
Shubuta.	Clarke.	197	8	—	—	—	—	—	—	—	4.76	—	1.40	0	10	8	14	9	n.	George A. Floyd.	
Tupelo.	Lee.	278	14	46.0	—	73	2	21	9	37	3.49	—	1.57	0.88	2.0	8	12	3	16	n.	W. S. Vincent.
Waynesboro.	Wayne.	191	26	49.2	—	0.4	80	1	25	9†	43	5.49	+	0.96	1.55	0	9	0	22	n.	R. S. Burke.
Woodland.	Chickasaw.	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	J. L. Ricks.	

*, †, ‡, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

‡ Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for December, 1913.* District No. 2, South Atlantic and East Gulf States.

TABLE 2.—*Daily precipitation for December, 1913. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for December, 1913. District No. 2—Continued.*

TABLE 2.—*Daily precipitation for December, 1913. District No. 2—Continued.*

- Precipitation included in that of the next measurement.

Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for December, 1913. District No. 2, South Atlantic and East Gulf States.

Date.	Virginia.										North Carolina.																	
	Calleville.		Hot Springs.		Lynchburg.		Norfolk.		Richmond.		Charlotte.		Edenton.		Fayetteville.		Hatteras.		Newbern.		Raleigh.		Reidsville.		Salisbury.		Wilmington.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	50	41	43	40	45	43	51	48	49	43	47	45	55	45	53	46	58	53	68	47	48	45	46	43	55	44	61	49
2.	57	45	48	41	58	43	52	49	52	46	55	44	56	48	59	43	62	53	58	52	54	46	52	42	54	45	56	51
3.	64	46	52	43	64	48	58	48	64	44	60	48	60	48	59	48	59	52	66	50	60	48	61	43	53	45	59	50
4.	63	32	52	38	66	42	59	45	62	38	62	46	65	49	67	43	57	49	70	44	64	47	62	45	64	39	63	45
5.	71	34	53	35	70	47	68	43	68	41	67	43	60	49	74	40	59	51	77	40	68	46	64	40	71	36	69	45
6.	66	33	55	33	64	43	57	48	60	40	61	47	65	48	69	43	62	51	73	43	62	47	61	41	61	35	72	51
7.	60	47	51	44	59	36	65	47	60	40	60	37	65	40	64	54	66	53	71	52	60	41	59	49	65	36	69	54
8.	57	25	46	16	36	23	47	28	40	26	39	26	57	30	57	29	55	37	46	33	41	27	53	22	61	24	55	33
9.	46	17	29	15	45	28	43	30	44	23	44	23	43	23	46	23	44	34	52	27	43	25	41	23	45	21	44	27
10.	51	19	47	18	47	26	50	29	50	24	51	27	50	23	55	22	51	33	61	23	52	27	50	22	43	21	53	26
11.	56	24	34	28	52	37	45	33	45	27	51	36	49	32	53	33	51	36	56	31	48	34	49	29	53	33	53	34
12.	55	17	44	22	63	30	53	27	57	24	52	28	48	21	54	25	49	35	63	25	53	29	59	26	55	21	55	32
13.	66	32	46	37	66	35	65	37	65	30	60	34	57	32	65	30	55	41	71	30	64	35	68	31	64	24	64	34
14.	61	28	47	28	63	29	58	40	60	29	60	35	60	32	63	33	59	44	71	31	61	38	65	33	66	24	66	33
15.	56	31	46	32	56	34	50	40	52	31	58	44	55	46	63	42	55	46	66	43	57	42	56	41	62	30	60	43
16.	60	20	48	29	62	29	58	36	62	28	61	35	54	27	60	30	59	45	72	33	60	33	65	30	63	30	65	37
17.	62	34	49	32	65	37	59	45	61	36	60	42	56	37	63	38	58	45	65	39	64	43	61	38	63	38	57	43
18.	61	35	46	27	61	37	55	35	58	34	61	41	58	35	65	40	59	45	70	42	60	40	53	27	63	37	64	46
19.	47	17	36	18	46	25	41	35	43	25	44	31	46	25	51	29	48	40	56	32	40	30	47	30	64	37	50	34
20.	48	20	46	24	51	27	51	36	44	26	55	36	54	30	52	37	61	46	56	40	49	36	53	33	62	35	57	44
21.	53	37	46	32	53	34	48	42	49	41	53	38	52	40	56	35	52	47	60	46	54	41	63	41	64	38	64	40
22.	53	28	44	32	53	34	48	40	50	35	53	38	52	39	53	39	51	46	60	43	53	38	51	32	60	34	58	46
23.	58	37	41	33	47	37	62	43	56	39	47	40	63	42	63	44	64	49	68	42	56	41	61	36	55	29	68	48
24.	50	35	43	32	45	34	50	42	48	38	46	41	62	43	56	41	57	50	53	50	45	39	50	37	53	26	60	49
25.	40	35	41	34	41	35	60	43	43	36	43	37	54	42	46	43	67	50	68	47	44	40	42	36	50	26	69	49
26.	50	37	35	24	44	33	48	38	46	34	46	33	43	30	51	39	53	43	53	41	48	34	48	34	54	36	51	40
27.	46	28	30	18	46	26	41	33	43	28	44	27	48	24	49	28	45	37	50	30	46	29	46	28	57	31	53	33
28.	44	20	37	22	39	25	49	31	39	25	50	31	46	30	55	26	58	33	59	27	51	29	44	28	57	31	53	33
29.	40	32	44	16	41	35	44	38	41	34	42	37	44	40	44	39	47	44	48	41	44	38	41	35	56	32	49	43
30.	49	33	46	24	53	31	42	35	44	29	52	38	46	36	50	38	47	41	52	40	48	33	51	35	52	31	50	38
31.	41	26	33	23	38	29	42	34	39	29	41	30	43	27	41	29	47	42	43	32	37	29	45	27	48	30	43	31
Mns..	54.2	30.8	43.8	28.7	53.0	34.0	52.2	38.8	51.4	33.0	52.4	36.7	53.8	35.9	56.7	36.4	55.1	44.4	61.3	38.6	52.9	37.1	53.3	34.3	57.5	32.4	58.2	40.9

Date.	South Carolina.										Georgia.																	
	Charleston.		Columbia.		Conway.		Ferguson.		Georgetown.		Greenville.		Newberry.		Society Hill.		Albany.		Atlanta.		Augusta.		Dahlonega.		Macon.		Rome.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	66	54	53	48	62	50	68	54	65	54	50	44	58	49	60	46	82	50	58	46	57	51	55	45	64	50	64	46
2.	56	52	56	48	54	51	60	50	60	50	61	44	55	46	65	43	57	54	50	46	58	49	52	47	60	49	54	49
3.	58	53	59	50	61	51	59	51	58	52	64	39	60	47	64	41	57	54	50	46	61	42	61	46	61	40	61	40
4.	66	49	67	45	64	42	67	44	68	43	67	39	66	41	71	39	66	48	43	47	66	61	62	46	65	43	64	40
5.	68	48	70	46	70	38	71	39	70	43	70	35	68	38	70	44	71	46	62	43	41	66	36	68	41	61	40	
6.	72	54	69	49	72	44	69	42	75	53	63	35	69	49	61	50	76	54	63	55	66	50	64	52	63	40	64	
7.	66	50	64	49	70	45	67	49	64	53	62	47	62	55	44	71	66	58	60	37	64	47	64	44	56	48	64	
8.	50	38	49	31	44	36	46	38	58	26	64	28	56	29	45	22	48	36	37	24	47	32	49	21	44	31	46	26
9.	44	31	45	26	45	25	55	28	57	25	47	20	46	21	58	20	45	27	44									

TABLE 3.—Maximum and minimum temperatures at selected stations for December, 1913. District No. 2—Continued.

Date.	Georgia.								Florida.																							
	Savannah.		Thomasville.		Waycross.		West Point.		Avon Park.		Fort Myers.		Jacksonville.		Key West.		Mariana.		Miami.		New Smyrna.		Orlando.		Pensacola.		Tallahassee.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1....	73	54	83	61	82	60	63	60	83	62	82	65	79	66	79	70	80	54	80	64	77	64	84	60	76	61	83	61				
2....	56	51	63	51	57	51	60	49	80	60	81	61	67	53	77	70	57	50	77	62	66	71	53	66	55	68	55	55				
3....	58	54	68	46	59	51	64	39	70	56	71	54	59	54	72	61	71	53	72	57	68	56	74	53	66	50	49	49				
4....	66	49	64	44	66	46	65	42	73	60	72	60	65	54	75	61	67	43	77	57	67	59	76	56	65	52	67	47				
5....	70	51	71	45	71	43	67	43	77	55	75	57	71	50	75	63	75	44	77	53	72	50	74	50	59	55	78	47				
6....	74	65	74	50	77	44	65	43	79	54	79	52	76	54	81	65	79	47	80	60	77	50	80	51	70	59	75	52				
7....	64	55	69	49	64	49	61	51	83	60	81	59	66	54	82	72	69	66	78	70	75	51	77	54	64	51	67	55				
8....	55	37	49	34	48	39	43	28	67	52	69	57	54	37	73	65	59	38	72	55	55	49	67	49	51	37	50	40				
9....	48	30	51	26	52	27	48	23	66	43	70	43	52	32	72	63	53	28	72	53	62	39	65	37	55	32	30	20				
10....	55	31	60	26	58	24	53	21	70	47	72	51	62	36	73	64	59	25	70	55	69	41	71	41	56	37	59	31				
11....	58	38	63	34	61	26	58	24	67	47	71	53	63	41	72	64	63	26	73	53	66	33	63	38	64	40	63	35				
12....	59	38	63	33	63	32	60	24	73	44	72	42	64	44	72	63	68	29	71	52	34	74	37	60	45	68	38					
13....	63	40	68	36	67	35	63	24	70	53	76	51	66	48	73	65	71	32	74	58	71	44	73	43	62	48	71	42				
14....	68	43	70	40	71	37	58	28	75	54	76	52	73	48	77	65	67	40	77	55	74	49	78	47	68	54	72	45				
15....	58	52	63	55	63	48	62	42	77	55	78	54	65	56	77	67	64	45	78	58	79	53	63	56	62	56	56					
16....	64	45	70	49	70	47	64	36	72	60	80	59	67	55	74	68	71	48	78	59	75	53	77	57	65	52	72	49				
17....	67	53	68	54	77	47	68	40	71	57	76	58	72	58	78	66	76	49	78	58	72	60	78	57	68	54	72	55				
18....	67	52	72	50	71	54	64	42	78	60	77	58	70	57	77	67	70	57	75	60	75	58	74	64	67	52	72	55				
19....	57	49	63	45	69	46	56	37	78	55	79	57	71	54	76	67	58	45	79	59	73	51	77	54	67	45	64	47				
20....	63	47	68	61	67	50	53	38	72	60	74	63	62	55	80	60	71	70	45	75	67	74	51	67	59	65	63	49				
21....	64	48	64	53	69	51	65	40	71	61	81	64	69	53	79	70	61	49	78	66	72	61	76	58	66	55	65	52				
22....	58	51	61	52	65	50	51	38	71	62	78	64	66	58	80	70	61	51	79	63	70	61	67	54	66	55	68	54				
23....	74	54	76	54	75	52	55	38	77	63	76	68	72	60	82	73	75	53	79	72	81	63	74	66	76	66	77	55				
24....	61	52	59	49	61	58	58	36	72	63	76	69	67	60	80	74	61	46	79	72	75	62	76	66	80	44	60	49				
25....	66	45	59	42	63	58	48	38	71	62	75	65	70	48	77	69	67	46	79	62	72	62	76	59	60	42	59	53				
26....	46	38	49	32	46	42	40	34	64	53	67	60	52	40	73	63	47	41	71	50	62	47	62	48	51	37	58	41				
27....	54	34	56	30	57	32	49	26	67	42	67	46	58	36	69	58	54	28	70	47	61	37	64	38	52	36	55	31				
28....	62	42	67	37	69	34	53	27	72	60	78	55	69	48	77	66	68	30	77	69	73	37	73	48	68	49	67	41				
29....	57	51	64	50	54	44	52	31	69	57	78	56	69	58	79	68	63	38	77	64	74	52	76	56	62	45	63	54				
30....	59	46	53	44	59	47	47	41	69	59	70	60	63	49	75	66	49	42	80	62	67	59	65	53	48	43	53	44				
31....	46	41	54	42	54	45	45	35	68	52	67	54	60	49	73	65	41	45	73	55	67	49	65	47	41	51	48	43				
Mns..	61.0	45.9	63.9	44.0	64.2	44.2	56.7	26.1	72.6	56.1	74.9	57.0	65.9	50.6	76.1	66.4	64.8	43.0	76.1	59.7	70.6	51.4	73.4	51.8	61.6	47.9	64.6	46.9				
Date.	Alabama.								Mississippi.																							
	Tampa, Fla.		Anniston.						Bermuda.		Birmingham.		Eufaula.		Mobile.		Montgomery.		Tuscaloosa.		Uniontown.		Bay St. Louis.		Columbus.		Hattiesburg.		Jackson.		Meridian.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	82	62	66	53	78	61	69	55	72	58	78	62	75	57	74	58	78	62	80	59	72	53	67	56	77	51	73	50	70	45		
2....	79	55	63	49	63	50	60	50	56	48	67	54	64	50	64	49	71	51	74	55	71	46	68	44	70	45	62	44	64	50		
3....	70	51	62	39	68	44	65	46	63	46	66	52	65	48	64	43	66	48	65	55	63	42	64	55	68	50	63	50	72	59		
4....	71	58	64	45	62	50	61	50	61	38	66	54	68	50	67	47	65	55	69	52	62	48	74	53	63	55	68	50	72	59		
5....	72	57	65	43	70	45	65	55	65	39	69	54	68	50	67	47	72	48	72	54	65	48	74	53	62	55	68	50	72	59		
6....	74	55	64	52	70	51	62	52	67	43	60	56	63	47	66	48	68	55	70	51	65	48	72	52	64	52	68	50	72	55		
7....	72	60	58	37	62	50	57	37	60	51	64	50	60	44	64	44	67	55	70	49	65	48	70	52	64	50	68	53	72	55		
8....	62	44	58	27	58	34	40	27	43	30	50	35	45	32	43	31	55	31	60	39	44	35	55	32	48	35	52	32	64	32		
9....	64	38	48	24	50	27	50	23	46	23	51	32	50	28	52	25	51	25	58	35	60	35	55	32	48	35	52	32	64	32		
10....	68	44	54	23	50	26	54	19	58	34	54	40	50	35	51	36	58	30	55	35	60	35	55	32	48	35	52	32	64	32		
11....	67	46	55	28	64	30	57	34	57	21	68	38	60</																			